

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Steve Miller <kg7pv@teleport.com>
Subject: [9874] 30 M tonight
Message-ID: <1.5.4.32.19960614063924.00665698@mail.teleport.com>

30 seems open up and down west coast late tonight. Worked NL7SA in Wasilla Ak, Martin N6RM nr SF, and Doug KE6EP/qrp near San Diego between 5:30 - 6:30 utc with the OHR Spirit II running 5 watts to the dipole. Doug was using a "slinky" ant up 35 feet for his first 30m qrp contact! What fun. 73

Steve Miller (CN-85) Norcal #308 QRP-L #109 (packet
kg7pv@k7iqi.or.usa.noam)
KG7PV Tmps 1996 Qs=12 States=05 Confirmed=0 Dx=02
AK CA NC NE PA JW OZ

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [9871] 30M was alive
Message-ID: <199606140427.EAA05517@chuck.dallas.sgi.com>

As I type this it is 0423UTC Friday, which makes it late Thursday in Dallas.

30M was alive finally tonight, but unfortunately for one hour of this evening I was on a HealthRider. :-) Go figure.

Worked WA9PWP, Paul, and WA8LCZ, Byron, thanks guys. Heard F3NB, Andy, whom I keep hearing on 30M and 40M for years but he has yet to hear me. :-)

I'm sitting here listening to a ZL2 at 559 to 569 on 30M working a local in Dallas. Only problem with me working him? He (ZL2) is running 400W. Go figure.

Clock, GC-1000 Heath is still locked on 10MHz, but I think all the sane people have gone to bed.

dit dit (totals not update, forgot to do that before I sent this one)
--

Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO Tmps 1996 Qs=026 States=17 Confirmed=07 DX=01 (0.95W)
AL AZ CA CO FL IL IN MI OK OR SD TN TX UT WA WI WY
30M 1995-1996@0.95W 45 worked 44 confirmed

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: tmh@world.std.com
Subject: [9883] Cascade hiss
Message-ID: <Pine.SGI.3.93.960614093557.10842A-100000@world.std.com>

I LOVE my Cascade-- it's my pride and joy. Recently, though I've noticed a loud background hiss. This hiss varies with the volume control, and is there regardless of the gain setting-- i.e., with the gain turned very low, you still hear it. It is higher pitched than the radio noise level.

Occasionally the hiss drops out for a few seconds, but it's not a loose connection-- the radio hasn't moved. Rather, there's a loud "pop" and the audio drops out, then when it comes back there is no hiss, then the hiss returns sharply a few seconds later. I think this happens when there's a nearby spark, like from the stove.

I know that most of the Cascade's gain is in the audio stage. Is this hiss an unavoidable result? I've re-soldered the pins on U5 and U8-- no change.

I'd appreciate any suggestions on what to check, and hearing from any other Cascade owners on whether they have the same sound.

Thanks.

Tim Huntington
N1PAZ
tmh@world.std.com

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Ron Giuntini <rong@slip.net>
Subject: [9921] Coax
Message-ID: <E0uU1Vo-0006FJ-00@mouse>

What is the preferred brand and supplier of coax. I imagine that running low power makes this an important decision. I have not bought coax for some time and I'll buy several hundred feet of the right stuff if there is a supplier and brand that is desirable. Thanks.. Also, thanks to all who replied to my previous inquiry about Hamsticks...

KB6GK Ron
San Francisco

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Wes Spence <ac5k@ih2000.net>
Subject: [9899] CW Crystals
Message-ID: <31C194E0.F8A@ih2000.net>

Help!! I sent an order to CW Crystals for more crystals for my 40 meter
"Spider" Transceiver--they cashed my check, but never sent the xtals. I
sent a letter about this and it went unanswered. Any help (there is no
phone listing). I am looking for FT-243 40m xtals (especially 7023 kHz)
Thanks, Wes AC5K
ac5k@ih2000.net

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: mvjfm@mvubr.att.com (James M Fitton +1 508 960 2577)
Subject: [9891] CW QRP FD dit dit
Message-ID: <9606141537.AB12462@ig4.att.att.com>

Beginners tips..... Nice progression

--- NO CODE ---
--- SLOW CODE ---
--- KNOW CODE ---

FIELD DAY TIPS :

PREPARATION is most important

Have years of experience

or

Enjoy your ride down the learning slope

Find the highest location you can find.

or

Operate over salt water

Get the antenna up as high as possible

Use a vertical radiator for distance contacts

Use a low horizontal antenna (> 25') for local contacts

If you dont have years of experience, get hours of experience.

It doesn't have to be Field Day to operate from the field !

Eliminate the variables. If you dont have experience, and cant make contacts, there must be something wrong :-)

Bring along another COMPLETE station incl. antenna.

(I believe it is possible to construct an ENTIRE, excellent, single band QRP STATION for under \$100)

A properly pre-tested random wire antenna *** SYSTEM *** installs in minutes : And will get you hundreds of FD contacts.

Learn from the experts.

72 W1FMR

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: chefrank@ix.netcom.com (Frank J Dameron)
Subject: [9898] Dallas Area qrp
Message-ID: <199606141628.JAA25388@dfw-ix9.ix.netcom.com>

I am interested in becoming more involved in qrp. I am in the Dallas area and would like to find out what local groups are here. Can anyone help?

I do have a MFJ 40m qrp rig with a dipole that I have yet to get up. I moved into a new house that is undergoing extensive remodeling and the xyl has mor honeydews then I can shake a hamestick at. Help, I need to get outta here.

Frank Dameron
n5tyd
email chefrank@ix.netcom.com

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Brad Mugleston <bmug@gw1.com>
Subject: [9905] FD Help
Message-ID: <199606141856.AA09589@gp-ipc19.gw1.com>

Thanks,

With in 1/2 hour I got over 11 postings from people who will work the

Novice/Tech parts of the bands. Thank you all for your help.

We will have an IC-706 and will work on what ever band sounds good (CW at 3:00am may be a little rough) Check in whenever we will be there. Well have 4-5 opps so well be on every second somewhere.

Dont know If well be using the club call or what, I seem to remember that the N/T station should use the call of the N/T not the club for FD, but who knows I remember lots of stuff that never happened - like my daughter telling me she'd never grow up and want to leave - anyone know where I can get some handcuffs?

Thanks,

de KB0ROL, Brad

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [9887] FD QRP Stations
Message-ID: <199606141419.0AA06273@chuck.dallas.sgi.com>

Gang,

If you are operating FD QRP, let me know by sending me email with the following:

CALL Group QTH

K5FO NorTex North Dallas, TX

Then I'll post on Thursday and Friday and early Sat for the real procrastinators. :-) This will give you a list to print off and calls to look for during the test.

If you still have battery power left, not in a hurry to exit the site, and can still hear why not stick around one extra hour on 20M and 40M (propagation dependent to say hi). Usual QRP freqs both CW and SSB.

The bands are guaranteed to be extra quite due to everyone else having had enough radio for the weekend. :-)

gl n tst 73 cul dit dit
599 NTX

--

Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO TPRS 1996 Qs=032 States=18 Confirmed=08 DX=01 (0.95W)
AL AZ CA CO FL IL IN MI MO OK OR SD TN TX UT WA WI WY
30M 1995-1996@0.95W 45 worked 44 confirmed

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: mvjf@mvubr.att.com (James M Fitton +1 508 960 2577)
Subject: [9902] FD Tips
Message-ID: <9606141722.AC01350@ig4.att.att.com>

Operators progression

--- NO CODE ---
--- SLOW CODE ---
--- KNOW CODE ---

Someone was asking for Field Day tips....

#1 tip : Go on FD with your QRP Club !

PREPARATION is the 2nd most important tip

Have years of experience

or

Enjoy your ride down the slippery slopes

Find the highest location you can

or

Operate over salt water

Get that antenna up as high as possible

Use a vertical radiator for distance contacts

Use a low horizontal antenna (> 25') for local contacts

If you dont have years of experience, get hours of experience.

It doesn't have to be Field Day to operate from the field !

Eliminate the variables. If you cant make contacts on FD,
there must be something basically wrong :-)

Bring along another COMPLETE station incl. antenna.

(It is possible to construct an ENTIRE, excellent,
single band QRP STATION for under \$100)

A pre-tested random wire antenna *** SYSTEM *** installs in
minutes and will net you hundreds of FD contacts.

Learn from the experts and by doing it yourself.
Write about what you have learned then YOU
will be the expert.....

72 W1FMR

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Nick Franco <kf2ph@bnl.gov>
Subject: [9896] Field Day - BNLARC Style (long)
Message-ID: <31C19270.13DE@bnl.gov>

This is kind of in response to Brad's comments on a Novice/Tech FD.

Here at Brookhaven National Lab, the BNLARC hosts a Field Day event on this site every year. We have a camping area for the RV and camping club with a large wooden gazebo, bar-b-que pits, picnic tables and electrical outlets for lighting, etc. Every year we set up in the field and run the feed lines to the gazebo. In the past we've gone for the points and at times score rather well in the competition.

For the last three years we have changed our strategy. We have been hosting a fun, educational, low key, non-competitive FD. It's been a blast. Members and visitors come with their families and we have the fires going as well as families bringing some side dishes and salads, etc. In amongst all this fellowship, we work hard put the stations together and operating too. We take the time to teach why we do whatever we're doing during the setup. We encourage everyone to try their hand at making a couple of contacts, or trying a new mode, etc. We only set up a 2A FD with one CW stn and one SSB stn and packet, and a Novice/Tech stn (very important). Unfortunately 10 meters has been horrible the last couple of years so we couldn't use phone on the Novice/Tech stn.

So the point here I guess is there are some of us out there that are not in FD strictly for the competition and are willing to take extra time to

work down on the Novice bands or wherever for the fun and educational aspects of the event. BNLARC is KB2UGE club call until the vanities are released for gate 2. I believe the Novice stn will be N2ZCL. I personally will not be at the Lab's FD this for the first time in several years but my son's graduation and family visiting has taken priority as dictated by the XYL. Although my middle son N2ZCJ says he's going to Field Day no matter who's graduating :) He was planning on being instrumental in putting the Novice station on the air and making some contacts for the club. I love that kind of enthusiasm.

So Brad and anyone else, listen for N2ZCL on the Novice bands and KB2UGE everywhere else. Let me know if you work us here. Maybe I'll make up a special QSL card for those on QRP-L that work the Lab. Drop me an email and I'll check the logs after the event. I have to process all the dupe sheets anyway. Have fun. Make lots-o-contacts. We will not have any QRP stns running on this one. I think that would be a little challenging for this club, for now. I haven't won them over yet :)

72

Nick

--

Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist RHIC Project - Building 1005 - Room 201
Tel: (516) 344-5467 Fax: (516) 344-3674 UPTON, N.Y. 11973-5000
Email: kf2ph@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Joe Everhart <n2cx@voicenet.com>
Subject: [9917] Field Day Tips
Message-ID: <199606142233.SAA10903@mail.voicenet.com>

Gang,

Wow, there have been some super QRP FD tips shared with this group. I have a couple of others to add.

1. When running qrp it helps to "nibble around the edges." By this I mean that you should be cautious about attempting to compete in amongst the higher power stations. Try to go just a couple of KHz higher or lower than the main concentrations. This way you don't get clobbered by the big boys, but you are close enough to the activity that someone will be there for you.

2. 80 meters is a great band if you use it right. On the east coast, there is very little activity during the day. Save your 80 meter operating 'til Saturday night. After dark, everyone goes down there from the higher bands and is hungry for contacts. Even with 1-1/2 watts I have no problem running

20 to 30 contacts an hour on 80 for hours on end after dark. You might also try 80 the last hour or so of the activity on Sunday. Folks are looking for for just a few more contacts and sometimes activity peaks up again.

3. As others have mentioned, use appropriate, efficient antennas. For 80 meters, a full length dipole or loop up 20 to 30 feet is fine. The vast majority of folks you'll work down there are within a couple of hundred miles so you want a high angle radiator. For 40 it helps to have both a high angle and a low angle radiator. A 1/2 wave dipole and a quarter wave vertical with a good ground radial system, for example. The dipole is great for close-in daytime stuff and the vertical will get you distant contacts at night. For 20 and above, beams are superb. You needn't go to great trouble, though. Sometimes you can take advantage of geography to help you. In the mid-Atlantic states, for example, a bi-directional beam antenna pointed N-S and a unidirectional one pointed W prove effective. You can use either a phased vertical beam or fixed wire beams - no tower or rotator needed.

4. If you can, operate for a while as the logger with an experienced operator. This will take some load off him, and you can learn his "tricks."

5. Look for known good ops. Often you can get a quick contact with a sharp operator simply by getting his attention. For example if you know someone is an experienced operator *and* you know he is running break-in, send a few letters of his call sign *while* he is cq'ing (or sometimes, merely a quick). If he is sharp, he will send QRZ in mid CQ and you have his undivided attention! This way you don't have to wait thru his cq *and* you don't have to overpower the other stations who will call him after he has finished the cq. This takes some practice and you have to judge just who will respond, but it can get you a few quick, easy contacts.

Above all, have a ball. Have fun and use it as a learning experience.

72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: datwyler@aros.net (datwyler)
Subject: [9880] G-QRP?
Message-ID: <199606141322.HAA29154@terra.aros.net>

Info about G-QRP please.

Doug WR70

qrp-l 556

NORCAL 163

ARS ?

NE-QRP ?

NWQRP ? QRP-ARCI ?

ARRL

and IEEE

is this enough????

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996

From: Jim Eshleman <lujce@hooch.cc.lehigh.edu>

Subject: [9912] HamCalc version 20 available

Message-ID: <96Jun14.171025-0400edt.65558-14099+89@hooch.CC.Lehigh.EDU>

Gang,

HamCalc version 20 (02 Jun 96) is available at:

<ftp://ftp.lehigh.edu/pub/listserv/qrp-l/tools/hcal-20.txt>

<ftp://ftp.lehigh.edu/pub/listserv/qrp-l/tools/hcal-20.zip>

New programs:

Filters - Butterworth HF

K-Factor & Antenna Lengths (NEC-2)

Stubs - Coaxial Transmission Lines

TV Channels (North America)

Upgrades:

Alphabetical Index

Antenna Length/Pruning Calculator

Audio Filters - Passive

Coaxial Cable Characteristics

Coaxial Traps for Multi-Band Antennas

Helpful Hints (main menu)

Matching Networks for Transistors

Series-Section Transformers

Short Dipole for Restricted Space

S-Meter vs. Power

Toroid Inductor Calculator

Transmission Line Stubs: name changed to

Stubs - Open-Wire Transmission Lines

True North via the Sun

Many thanks to Murph, VE3ERP.

73

Jim N3VXI

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996

From: Brad Mugleston <bmug@gw1.com>

Subject: [9885] help

Message-ID: <199606141415.AA28076@gp-nixon.gw1.com>

Now that Im off my soap box you can help - Field day is comming for those of you living in a box. There is a NOVICE/TECH portion of the weekend and I along with a few other people around the nation will be learning the tricks of the trade.

You have a choice, you can either rack up a boat load of points and come in 175th in the nation OR you can spend some time at maybe 4 wpm, sending the info maybe 3 to 4 times, relaxing just a bit AND help out someone who may someday be the head of the FCC who may just vote to save the world from the loss of CW maybe not. Anyway how about some Novice/Tech work during the weekend. If you think you have a chance for being in the top ten of the nation - go for it, if not grab you straight key (keyers and paddles are T000 fast and hard to understand) tune up in your favorite band (novice portion) and listen for that week unsteddy call from someone not really sure if their using their correct finger to push the thingie and give a nice SLOW call back and RELAX it will be over soon.

Thanks

de KB0ROL, Brad

seeing you all on the Novice Bands for FD from the rolling planes south east of Denver Colorado.

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996

From: w0rw@kktv.com

Subject: [9906] Inductance Measurements

Message-ID: <TCPSMTP.16.6.14.13.6.26.2240783031.1385358@kktv.com>

The easy way to find inductance values is to measure it....

i have an HP/Boonton 260A Q meter for sale \$75 w/book, and a Tektronix 130 LC Meter for sale \$50.

Makes building a lot easier....
Paul Signorelli w0rw@kktv.com

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: aldot@whidbey.com (A. W. Schlottman)
Subject: [9894] Lookout!
Message-ID: <199606141614.JAA10710@whidbey.whidbey.com>

Hi All,

Well, it looks like the XYL and I will be spending July and August up in our fire lookout tower again. Our tower is located in extreme northeast Washington--right next to Idaho--and only three grizzly bear strides from the Canadian border.

This year I'm going to upgrade--will be using my newly-acquired Sierra instead of my trusty old NorCal 40, as in past years. Thus, I hope to be on 80, 40, 30, and 20. With the antenna up at 6,000 feet and running 1.2 watts, something good should happen!

Reason for this msg: I'm wondering if there are any other fire lookouts who might want to try to set up some kind of an informal schedule, so that we could pass the time of day (or night) swapping lightning horror stories.

72, A1 KL7CVP

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: jwg6@cornell.edu (Joel Govostes)
Subject: [9890] MFJ 6 meter SSB??
Message-ID: <v02120003ade738ab77e0@[132.236.155.156]>

I saw an ad last nite for the MFJ 6meter trcvr. Anyone know the list price?? Anyone using one and can comment?

Also, can the power level be cranked down below the 10 watts; i.e. if using battery power/low aperature power supply or wish to op QRP, can you just run say .5-5 watts at lower current drain, or is final amp fixed at 10w level? Looks like a nice little unit. Any info appreciated, 73
N1AEP

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [9886] Micronaut & SMD
Message-ID: <Pine.BSI.3.93.960614101511.21565B-100000@u1.abs.net>

Stan,

Just a quick note to ask you about the "Micronaut" kit?
I read your post on the list mentioning something about an SMD kit.
Can you give more details? What is it exactly? Where can I get one?
How much does it cost? I have a few SMD kits that I purchased from
Blue Rose Electronics in U.K., (Sorry, I understand they are out of
business now). He had a great catalog of SMD parts, tools and kits.
I haven't seen much of anything since. He even had a nifty little
work station kit. I sortof copied it. My version is made out of
copper plumbing pipe and bits and pieces from the hobby store.
I just saw an article in the Current QEX magazine about working with
SMD. You should try to get it. In fact I should buy the magazine
myself. It had a nice detailed description for building an SMD
workstation using a fiber notebook clipboard and some Brass Tubing
(Available at your local hobby store) and a computer mouse pad.
Great design. Cheap to make and easy to store when not in use.
Maybe we should take some notes on SMD and pass them along to Paul
NA5N to add to the "QRP NOTEBOOK" 2nd edition.
Maybe someone could extract the notes from QRP-L archive.
Just a thought, always interested in new ideas and techniques.

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [9918] my QRP FD experience
Message-ID: <Roam.3.0.834792636.7180.myers@bigboy>

Last year I ran battery QRP using an FT-747 and R5 vertical about 10 feet off
of the ground. I could work anyone I could hear without trouble. I kept an
eye on the wattmeter to respect the 5W limit, though someday I may build an
external directional coupler bridge to drive the ALC input, that is if I don't
outright replace the 747 ;-)

All the advice has been good; the better the antenna, the better, except

don't wait until FD to experiment with better antennas if you don't have to. Considering the R5 just worked great for me, I've learned to ignore those that poo-poo verticals... the ease of set-up and compact size are definite advantages.

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: John Shuster <jshuster@silverlink.net>
Subject: [9919] OHR Group Purchase Rounding Up!
Message-ID: <199606142354.QAA26245@oly.olympic.net>

-- [From: John Shuster * EMC.Ver #2.5.02] --

To All List Members and New QRP'ers:

This Monday is the last day to sign up for the Oak Hills Research group purchase.

We have close to 60 kits on order. If you want to see the original announcement or want me to send it to someone for you, let me know.

The Weekend of Decision is here.

73,

John

--
John Shuster QRP at the foot of the Olympics
TU ES 73 DE KC7CKP in little Port Orchard, WA

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: "michael (w.m.) babineau" <babineau@nortel.ca>
Subject: [9904] Painting Aluminum Enclosures
Message-ID: <"8440 Fri Jun 14 14:39:40 1996"@bnr.ca>

I would like to paint my St Louis Tuner case. I've never painted aluminum before. Can someone give me a recommendation for types of paint and whether I need some sort of primer coat first? I understand that WD-40 will remove the sticky-tape marks and that alcohol will remove the WD-40. Any other hints are much appreciated.

Michael VE3WMB

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
 From: Bill Acito 14-Jun-1996 1147 <acito@asdg.ENABLE.dec.com>
 Subject: [9892] QRP FIELD DAY LIST, as of 6/14 (nice turn out guys!!!)
 Message-ID: <9606141544.AA28312@us1rmc.bb.dec.com>

(set your reader to a fixed-space font)

QRP Field Day, as of 6/14

Call	Group or Personal name	Location	Expected Class QRP and/or QRPP
-----	-----	-----	-----
W1FMR	QRP-NE	Princeton MA	1A/2A Battery
W1BCG	Shoreline Amateur Radio Club	Hammonasset State Park Madison, CT	3A Battery
N100Q	Tom Randolph et al.	Sutton, MA	3A/4A
W1HUE/7	Larry East	Idaho Falls, ID	1B QRP solar/bat
KB2VBI	Joe Everhart N2CX with Victor ARA	Pine Hill, NJ	2A/3A, CW HF only be QRP
KB2UFY	Brockport AM. Radio Klub (BARK) (NY)	Bergen Rod and Gun Club	5A - Battery - QRP
N2JGU	Brad WB8YGG Gary N2JGU	Warsaw NY	1B-battery 5w
W4BS	Delta Club	Memphis, TN	
KD4BPI	KD4BPI WD4MPS	Oak Mountain, AL (nr Birmingham)	1B, QRP
WB4ZKA	Mike Pulley	Pine Grove Campground	1B-Battery, .95W

(near Flagstaff, AZ)

WJ4P	KnightLites	Black Balsam Knob Pisgah National Forest nr Asheville, NC	3A, battery/solar
W4QO	NoGaQRP group	Dahlonega, GA	1A Battery
KS4L	Randy Moore	Huntsville, AL	1,2 or 3B, QRP
N5BTH	Big Texas Hombres	Cumby, TX	1B, Battery, QRP
W5VBO	Brian	N.E. SD	1B (Batttery, QRP)
W5KA	Austin ARC	Anderson High School Football practice field	2A, battery, QRP
x5xxx	NORTEX	Richardson, TX	
N6GA	Zuni Loopers		
KK6JQ	ops KK6JQ, KE6ANM	Hemp Peak, CA (DM04)	1B, QRP
WA6AHL	Jeff Anderson	Long Barn, CA (Sierra Nevadas)	1B (Battery, QRP)
KC7NEV	Joe Gervais (Stray AZ ScQRPion)	Sedona AZ	1B (Battery, 5W)
KD7S	Bill Jones	Kings Canyon National Park central CA Sierra's	1B Battery, QRP
AA7QU	Russ	Oregon Cacades.	1B, Battery, QRP
K8OUA	FISTS (NEOWPA-- Northeastern Ohio Western PA	Warren Ohio	QRP, 2A/3A battery
W8MHV or NS80	Athens County ARA	Athens OH County Fairgrounds	1A-Battery QRP

WY8M	Utica Shelby Communications Association	Romeo, Michigan	17A QRP Battery
K8IDN	Columbus QRP Group	Brevoort Park	2a Solar QRP
W9ZSJ	Harper Air Hawks	Palatine, IL	2A Battery QRPp
K0CL	Ski Country ARC,	Glenwood Springs, CO	2A battery.
K0FRP	Colo QRP Club (CQC)		2A Battery QRP
KB0UCQ	COLORADO QRP CLUB	ELIZABETH, CO	2A BATTERY, QRP
VE3QDR	Durham Region QRP Club.	Tyrone, Ontario	4A Battery, QRP

Proposed watering hole, 7.040 +/-, 0500 Sunday +/-

b

. - I own my own words -
 Bill Acito
 acito@asdg.enet.dec.com
 |d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS qrp-ne qrp-l arci norcal amsat-na arrl-life

40m Band Captain, W1FMR QRP-NE Field Day

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996
 From: Peter Zenker <100743.3320@CompuServe.COM>
 Subject: [9879] QRP+ help wanted
 Message-ID: <960614124456_100743.3320_EHV116-1@CompuServe.COM>

Hello gang,
 I just got an information By a friend of mine. He shut the PLL MC 145156P2 in

the QRP+.

The problem is, that in Germany, may be in Europe this chip is not longer available !!!

Can you help me with the adress of a supplier who has this chips still in stock? We have about a dozen QRP+ within the Activity Group Berlin DL0AQB and I believe it would be wise to have some of the chips in stock here in Berlinit for future problems.

72 de Peter, DL2FI

G-QRP 1053 ARS 112 QRP-L 549

E-mail von: Peter Zenker, 14-Jun-1996

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996

From: Dave.Ackrill@WESTWOOD45.powergen.co.uk

Subject: [9903] Re[2]: GQRP - Inductance Calculation? [Ref:C405319]

Message-ID: <960614110454Z*/G=Dave/S=Ackrill/O=WESTWOOD45/PRMD=POWERGEN/

ADMD=CWMAIL/C=GB/@MHS>

Good point Peter,

Maplins (an electronic supplier over here) advertises some 100uH chokes. One will handle several amps, but the test frequencies are not in the 73kHz range. Some are quoted at 1kHz, others at 252 kHz. Another was used in a Metal Detector kit, so might be OK I guess. That raises the question about the inductance meters that you can buy, looking at some of them they seem to use a very low frequency oscillator to do the test. Typically 200Hz on the ones I've seen. Anyone any views on suitability for assessing inductors at kHz or MHz? Guess the bridge types, where you null on a receiver at the resonant frequency, has to be a good idea.

Digging a bit deeper into the catalogue there is one that is 100uH +/- 10% at 1kHz, DC resistance 65 ohm, DC current capability 2.2A max. However, the Q is quoted as 100 at 50kHz and the nominal self-resonant frequency is 12.3 MHz.

Think I'll pop by one of their shops and get one or two different types to play with! Just seemed like a good idea to roll my own if possible. HI! - Typical QRPper, short arms and long pockets :-)

Cheers de Dave (G0DJA)

----- Reply Separator -----

Subject: Re: GQRP - Inductance Calculation? [Ref:C405319]

Author: INTERNET parkerp@pcug.org.au at Multimessage

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996

From: Brad Mugleston <bmug@gw1.com>

Subject: [9884] Saving CW and our Bands

Message-ID: <199606141404.AA27568@gp-nixon.gw1.com>

Gang,

I've been reading about the concerns about the possible loss of CW and maybe even the space to do only CW and I think I know the cure. As a new Tech+ I know the reason why I use CW mostly (I only have ONE non CW contact on HF even though 10M seems to be open). I joined a great club (Colorado QRP Club - CQC) due to a very friendly president that I happened to meet one day. The guys in the club have been very helpful and encouraging to me about learning the code. I've had numerous offers of help in practice, offers of help to set up a station and lots of general sincere support.

CQC, along with the people on this net, have taught me the proper way to operate. Let me know what is accepted and not accepted just by the comments made about those who don't do it right, but at the same time not crossing the line and lowering their standards just to get back to those whos practices maybe could be improved.

What Im trying to say is that If the NEW ops are taken in, treated right and taught the proper way todo things most will try to fit in - If CW is taught as being fun, and a really great way to communicate it won't go away. But if people are allowed to teach them selves with no role models we will be come a very LARGE CB crowd.

Thanks for everything.

de KB0ROL, Brad

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996

From: "J. Skalski" <jskalski@acsu.buffalo.edu>

Subject: [9914] Sierra band modules

Message-ID: <Pine.GS0.3.93.960614170949.21818A-1000000@lictor.acsu.buffalo.edu>

Hello,

I still need a few band modules for my Sierra.

Will buy outright or trade.?

Also would be interested in circuit boards / parts/ crystals to make the

modules .
any info or help would be appreciated.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [9872] Simple Receiver
Message-ID: <199606140453.EAA05545@chuck.dallas.sgi.com>

Let's see now, I think it was brought up with respect to the design and building contest that Doug is doing for next years Dayton that someone was thinking of a receiver.

Lee Richey, WA3FIY, founder of Adventurer Radio wrote about his W1AW receiver in Feb 1993 QST, which I just happen to be browsing through before sending it off to the library. See pages 56 and 57. You could use one of the crystals that Doug has or Bill Kelsey at Kanga USA and have a QRP receiver for working with and listening for 40-9ers. Might even think about replacing the xtal with a VFO.....

At the time the article was written I think Lee was calling his company Matric Limited.

FYI

BTW in Oct 1993 QST page 62 is a neat idea. Instead of using a mouse for a paddle, put two buttons in the top of your keyer case or rig or altoids case or Some of the small buttons have a fairly nice tactile (sp?) feel. Mileage may vary.

--

Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO TMPS 1996 Qs=032 States=18 Confirmed=08 DX=01 (0.95W)
AL AZ CA CO FL IL IN MI MO OK OR SD TN TX UT WA WI WY
30M 1995-1996@0.95W 45 worked 44 confirmed

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996

From: Paul Harden <pharden@aoc.nrao.edu>

Subject: [9910] Some Field Day Pointers

Message-ID: <199606141941.NAA23888@zia.aoc.nrao.edu>

A few hints and kinks for a QRP field day:

(as posted last year with a few additions)

1. Check out the site a week or two before FD to ensure it is still available, for changes since you've last been there, and to measure off distances between trees, etc. for antennas, if possible.
- 1B. In the west, this includes ensuring the area is available, as many Forest Service and BLM land is currently closed to the public due to the extremely high fire danger. Check on status for open fires. Even open land/private land may suddenly have locked gates across the roads to prevent entry.
- >> Time is running out for the above.
2. Ensure your family or friends know exactly where you'll be in case an emergency arises or you don't return home by sunday evening. Take your 2M rig for the same reasons.
3. Do the obvious preparations ... charge batteries, have a QSO or two with each rig, etc. to make sure everything is working. Take along a spare rig, antenna tuner, keyer, etc., if you have them.
4. Take a box of necessary tools, duct tape, nylon cord, PL259/BNC connectors and adapters, a voltmeter, first aid kit, etc.
5. Take plenty of food, drinks and sunscreen. Sitting still for hours in the hot sun will make you hungry, thirsty and give you a sun burn.
6. Protect your rig from excessive heat or direct sunlight. QRP rigs are optimized designs and when they get hot, the VFO can go to pieces, NE602's get insensitive, transistors can saturate, etc.
7. Design FD around some fun. Plan on a cookout for dinner with all the ops there. Shut down the station if you have to for an hour or so to enjoy the hamburgers and associating with the other hams. The break will be well worth it.
8. A QRP FD should be exclusively QRP ... don't try to set up amidst the clubs QRO stations. Your QRP front-end will overload or be highly insensitive from the nearby power levels rendering you nearly deaf.
9. With QRP power levels, efficient transfer of power from rig to antenna is important. Tuned antennas do this the best. Don't put up some elaborate bifurcated double delta inverted square fed with a bi-phase franistan without having a good old dipole or inverted V-- just in case. I'd prefer to see the effort to get the antenna up HIGH and away from obstructions rather than something elaborate (that may or may not work).
10. Take a COMFORTABLE pair of earphones.
11. Have somebody in charge of the log keeping; he should periodically check station performance and inform everyone. It let's you know how you're doing, keeps the competition going, and gives you the

goals you need to keep going. (Yeah, I know - it's not a contest). Keeping a WAS map for each band is also useful, fun, and instills competition between stations. Also helpful in analyzing antennas.

12. Be prepared for adverse weather. There have been FD stations on QRP-L with grizzly stories of abandoning the site due to wind, hail, tornados, forest fires, etc. Keep an eye on your environment.
13. If you can't seem to raise anyone, try calling SOS. -I'm kidding :-)
14. A lot of the above can be summarized by saying "be organized;" don't show up and play it by ear; get together with all the ops a day or two before and have a final planning session and assigning jobs.
15. Field Day is fun and a good opportunity to test different rigs and antennas. Even if you don't go "to the field," work it from your home shack for awhile ... it's called gaining EXPERIENCE.
16. If you have just a few hours to work FD from your home, DO IT. See how many states you can work, etc. for your personal goals.
17. If you work a new state you need for QRP WAS ... it is customary to send an SASE with the QSL for contest contacts.

OPERATING HINTS:

1. Probably the biggest thing I've learned over the years, is FORGET YOU ARE QRP. Don't tune around seeking only the loud ones, or a station that's not very busy to ensure your pip squeek signal will be heard. Just jump in there and call the station, no matter what kinda pileup you hear going on. If 3 tries fails to raise him, then move on. I bet the majority of stations we worked last year never had a clue we were QRP ... they just came right back with their exchange and it was over with.
2. For a multi-op station, work out a gentleman's agreement before hand to schedule operators to keep the station on the air as long as you can. Four hour "shifts" are about right.
3. Agree before hand on the log keeping and dupe system you are going to use and ensure everyone understands how it works.
4. Review the rules carefully and take advantage of as many bonus points you can, such as for PR, copying the W1AW bulletin, etc.
5. Learn to properly zero beat to the station calling CQ FD. They're using sharp filters and if you're a few hundred Hz away, forget it.
6. Likewise, ensure you have some good CW filtering on YOUR QRP rig. If all you have is a 1.5KHz bandwidth, forget FD. You need some fairly good filtering in the order of a few hundred Hz if possible.
7. FD is NOT a QRP contest ... do not attempt to chit-chat. Stick to the boiler plate format: UR 599 2A NM QSL?, etc. (Unless you know the station, fellow QRPer ... but still keep it short).
8. If you miss part of the exchange, don't be afraid to ask for a repeat. You have misses when QRO too! Don't send "SRI OM QRM ON THIS END, PSE RPT UR SECTION." Just send "SEC?"
9. If your code speed is not the best ... don't be afraid to participate in FD. It's a good way to improve your CW skills. If 30wpm is too fast ... just listen to the station for a couple of

exchanges. You can get it. The exchange will be the same for you. After awhile, you'll be picking out out calls and exchanges at 30wpm first time. Then all you have to worry about is sending YOUR exchange (not copying his). Send at a code speed you are comfortable with. 20wpm error free is better than trying 35wpm nobody can copy. Don't forget the Novice bands or 15/10M. Amazing how those higher bands always seem to be open during FD.

GL, Paul NA5N

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: JayMiller@aol.com
Subject: [9869] Sporadic E & Tropo E (SW USA)
Message-ID: <960614000537_217035812@emout17.mail.aol.com>

Dear Fellow QRP Enthusists,

Looks like there is a large sporadic E cloud, to the NE of my QTH up near Kansas. Just worked Ks. (N0ABA, originally from Las Cruces, NM), Mo., Wyo., & Tx. on 29.6 MHz FM, as I type this (0350 UTC, June 14th), 10 meters is still open. Great round table on 10 FM. Even worked KD9AM on 28.061 MHz cw . Interesting, on 20 meters, I am copying Az. & Co. stations (My QTH is Albuquerque, NM), with very little trouble. Dropped to 40 meters & noise level is very high, but was able to copy NF0Z (Colo. QRP Club Member), on 7.038 MHz. Strange propagation tonight. Sporadic E on 10 & 20. Also, I was told by KC5JB0 that he had talked to South America (Tropo E) on 10 SSB around 2000 UTC, June 13th. Would love this type of propagation for Field Day (June 22 & 23). Did not check 6 meters this time.

...Jay, WA5WHN

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: launerb@crl.com (William H. Launer)
Subject: [9922] Sporadic E on 10 Meters
Message-ID: <v01520d01ade7d8c6f4ad@[192.0.2.1]>

qrp-1 gang

Just finished a qso with nf0z (Denver, CO) on 28.060 (0309Z, 15 June). We were both running 5 watts. RST 559 both ends. I had been calling cq on a "dead band" periodically, and the "E cloud finally got in the right place!

Where is everybody? Let's exploit these sporadic E openings; they are an indication of things to come with increased sunspots. Typically, you'll get about 800 miles on a "single-hop" E-skip contact, and qrp power levels do a fine job (no foreign bc on 10, either).

72/73 Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-l #279 qrp arc1 #3551

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [9893] Ten Tec QRP rig prices
Message-ID: <n1377372492.69502@msmailgw1.arlut.utexas.edu>

Well,
it came up again, and I guess someone did not look in past discussions; but over on the Ten Tec List I asked the value of the 5xx rigs awhile back, and here is the learned opinions of the group of TT specialists:

(BTW, Ten Tec does sell their used models taken in trade; a little known fact; but as of Ham Com Sun., they did not have any 5xx in stock, for I asked.)

The 505 has some birdies, and was the first Argonaut, without a model number on its typical Ten Tec enclosure. You do see the word Argonaut. It was 2 watts out. I have seen one sold for \$95 mostly working, and the range seems to be that up to \$250. I have seen a mis-identified 505 trying to be sold as a 509 at \$300. NO WAY!

A more desireable model is the 509: 3w to 8w out, depending on band, and the range of prices from several replies around the USA was \$150 to \$300.

The 515 was reported as 10 w out, maybe less on 10M. some 700 were made, and the price reflects this, \$350 to \$500, with \$400 being more common. The 509 was easier to repair than 505 which has now obsolete parts, and dial cord to string. The 515 did not improve on the 509 much, but has the Triton IV receiver strip I am told. Improved 10 M readout results, with 4 band ranges

to cover it. All are superhet receivers. All 4 pole, 2.7 kHz crystal filter unless modified. Some have optional outboard CW filters. The 509 and later had a plug to access audio before AGC for audio filtering more- like -IF filtering. All these models do CW and SSB on 80 to 10 Meters, no WARC.

My thanks to Larry East, Clark Savage Turner, and David Feldman and the Ten Tec List who supplied me with the above prices and comments.

It is normal, I was told; for the 505 without a good antenna, to display some birdies or whistles, and I think a couple are on 10 M and bands and just below. (A way to test the receiver quickly.) Try to get a manual and all the service records, especially on a 505, for some of those parts are hard to get, but should be available from list members junk boxes.

When you have even a piece of jumper coax to the antenna connector, which is RCA, you should get a peak in noise as you rotate the "resonate" control on the 505. The others are broad banded, and only have main tuning. The back of the 505's I have seen look a bit home made, if you know what I mean, but that is normal apparently, they just were not labeled very durably in those days.

Hope this helps.

Stuart K5KVH
rohre@arlut.utexas.edu

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: "Harvey D. D. Hetland" <HDHETLAND@paccd.cc.ca.us>
Subject: [9911] TMPS comments:
Message-ID: <40CBE057498@manage.paccd.cc.ca.us>

KI7MN commented:

> Harvey, you HAVE to get a life :^). Really, very impressive.
> 73,

I have promised myself to start a life on or by August 12th when school starts again, hi. Thanks ... er ... I do not see you on my TMPS dupe sheet. How could I have missed you OM?

73, Harvey, N6MM

TMPS 96: QSOs=110, WAS=37, DXCC=020 OHR 400, dipole & not teaching summer school (which sure helps).
States: HI AK OR WA NY CO SD CT WY CA KS LA OH GA PA MD AL NM FL OK
AZ WI KY TX ID NV IL IN WV TN MI NE MN NC NJ UT VA
DXCC: C2 JW KH6 JA KL7 A3 W 5W VE PJ2 T30 VK9N ZL FK8 OH OA VK FG LU

C6A

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: "Harvey D. D. Hetland" <HDHETLAND@paccd.cc.ca.us>
Subject: [9913] TMPS Re: 30 M tonight
Message-ID: <40D4020597E@manage.paccd.cc.ca.us>

KG7PV commented:

> 30 seems open up and down west coast late tonight.

Yes, and those looking for Alaska might take note that the openings have been good to the east from the west coast later in the evening. The night before last AL7MX was heard working a WD5 in Texas (as well as an F05PP) around 0613Z on 10.102 MHz. The F05DD called a CQ a couple minutes later at 10.108 MHz, but I missed getting him. KC7CKP (OHR group buy specialist) was also heard working KG9AI in Indiana at 0620Z. Last night I worked QRP-L member KL7JAF, Bruce, on 10.112 MHz at 0537Z. Earlier in the evening (around 0400Z) you will likely find NL7SA and WL7VO in the bottom 10 kHz. I have worked KL7/KE4TUU, but I have not heard him on recently. I was unable to work AL7IK last night in response to his CQs.

The ZL2 that K5F0 commented on had an excellent signal. Anyone notice that Chuck is listed as contributing to QRZ DX in the current issue? That guy is everywhere! I heard F3NB last night also, but did not even try. ON6KD was on later in the evening and for about the sixth time he did nothing more than call CQ in my face, hi.

One big plus about operating at the later hours is that the QRN from the nocturnal thunderstorms is not as bad. So with the weekend coming if you awaken in the night give it a try. This wacko without a life might be there to work you. Gosh, I do not see KG7PV on my TMPS dupe sheet. How did I miss him?

73, Harvey, N6MM

TMPS 96: QS0s=110, WAS=37, DXCC=020 OHR 400, dipole & not teaching summer school (which sure helps).

States: HI AK OR WA NY CO SD CT WY CA KS LA OH GA PA MD AL NM FL OK
AZ WI KY TX ID NV IL IN WV TN MI NE MN NC NJ UT VA

DXCC: C2 JW KH6 JA KL7 A3 W 5W VE PJ2 T30 VK9N ZL FK8 OH OA VK FG LU

C6A

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: kf7qf@cuix.pscu.com
Subject: [9909] Wanted: QRP PLUS
Message-ID: <TCPSMTP.16.6.14.13.2.12.2241058206.1671723@cuix.pscu.com>

Hello all,
Brian here still looking for a qrp plus.
72 de brian

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Mike Robinson <miker@cc.com>
Subject: [9888] What's wrong with this picture?
Message-ID: <9606141443.AA25926@voder.nsc.com>

QRP afterburner.

What's wrong with this picture?

```
=====
AA0UB  Tmps 1996 Qs=007 States=06 Confirmed=04 DX=01
CA DC LA OR SC KS
=====
7.3 de Michael AA0UB      miker@cc.com      michael@frii.com
      http://www.frii.com/~michael
      QRP-L #126      Norcal #857      CQC #180
=====
```

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: rharris@hc.eur.smith-nephew.com
Subject: [9877] RE: 30 M tonight
Message-ID: <199606141228.IAA50986@nss2.CC.Lehigh.EDU>

I found 30m much more active last night in Europe from 21:00UTC. Worked=20
three Europeans and heard N9 which was the first USA station in the last 15=
=20
months on this band. I built the OHR Spirit last year and found it a=20
terific kit. Performance is good to, but a little LF drift in the first 15=
=20
minutes. Any comments from Spirit users? One day I hope to work one with=20
one.

Did anyone work trans-atlantic on 30m yesterday?

BTW, this is my first input to the QRP-L so if I have committed and sins=20 would someone please inform me otherwise I will continue in ignorance!

73's, Robin - G4GIY

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: john andrews <jm165723@eee.org>
Subject: [9908] Re: CW Crystals
Message-ID: <31C1BC73.C45@eee.org>

Wes Spence wrote:

>
> Help!! I sent an order to CW Crystals for more crystals for my 40 meter
> "Spider" Transceiver--they cashed my check, but never sent the xtals. I
> sent a letter about this and it went unanswered. Any help (there is no
> phone listing). I am looking for FT-243 40m xtals (especially 7023 kHz)
> Thanks, Wes AC5K
> ac5k@ih2000.net

Hi Wes:

Sorry about your problems with xtals.

I've got 13 HC-6 xtals that range from 7004 to 7021 (and will throw in a socket for the hc-6 :-)) - 2.50 ea(+postage).

These are used and mfg'd by International Crystal of Oklahoma.

If you don't want them maybe someone on the list does.

72, John- N5INZ

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: "Warren E. Lewis" <saswel@unx.sas.com>
Subject: [9882] Re: Field Day Hints
Message-ID: <199606141355.AA04827@cardamom.unx.sas.com>

> Hi Gang,
> After many years of operating Field Day with the local club,
> my bro' Dave, KE30A, and I will be trying our first QRP F D. The
> batteries are pretty much charged and the plans set. We'll be about
> 5 air miles from the club site, so I don't think interference will be a
> problem. I've read the exploits of the better known groups. My question
> is: Does anyone have any advice/hints/kinks which will help make this
> first QRP field day pleasurable.
> Any thoughts are appreciated!
>
> 73, Bob WA3YON <rnnygren@epix.net> ** KE30A 1B EPA **

Bob,

I think you can approach FD in two different ways. 1) As a test of your operating skill (contest...I know FD is not a contest! :-)) or 2) As a social event where radio is involved. Obviously, you can split the difference also and do a little both. The key here is to have FUN!!

One thing that I have found that makes things more enjoyable is to make sure that all equipment works before you take it out to the FD site and have backups just in case Murphy decides to visit. It isn't much fun to get out to the site operate for a couple of hours and then your only rig gives up the ghost and you have to pack up and head home. Makes for a pretty short, not fun weekend.

If the number of contacts is important to you, then put up as many antennas with different characteristics(direction and polarization) that you can (Maybe Cam, N6GA, or Doug, KI6DS, can tell us all the antennas that the Zuni Looper's are going to be putting up this year). A couple of years ago we had an extended zepp for 40 and a vertical dipole. While on the extended zepp our QSO rate had dropped off because we thought we had worked most everybody on the band. Then we remembered the vertical dipole. As soon as we switched to the vertical dipole our rate jumped up and we started working sections we had not seen the entire contest. We now try to switch antennas frequently unless our QSO rate is way up.

Hope this helps some...once again go out with the mind-set of having FUN!!

cheers - Warren

P.S. Look for us on 20 Meters (W4DW).

AD4ZE Tmps 1996 Qs=023 States=13 Confirmed=04 DX=03 MM=01
MA AL MS FL IN IL TX NY CT NJ NH NC PA

--

Warren E. Lewis	saswel@unx.sas.com
Technical Support Division	(919) 677-8001 x6542
SAS Institute Inc.	PP-ASEL
Cary, NC	AD4ZE QRP-L#78 DOD#0021

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Peter Parker <parkerp@pcug.org.au>
Subject: [9875] Re: GQRP - Inductance Calculation?
Message-ID: <Pine.SOL.3.91.960614191711.15138B-100000@supreme>

I wonder if RF chokes of the appropriate inductance for 73kHz are available in Britain. If so, they may provide a workable solution. I have used 10uH RF chokes in parallel with about 200pF for front ends of 80 metre DC receivers. 73, Peter VK1PK

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Bob Hightower <ki7mn@user1.dancris.com>
Subject: [9889] Re: help
Message-ID: <199606141503.IAA26725@dancris.com>

At 08:15 AM 6/14/96 -0600, you wrote:

>Now that Im off my soap box you can help - Field day is coming for those of you
>living in a box. There is a NOVICE/TECH portion of the weekend and I along with
>a few other people around the nation will be learning the tricks of the trade.
>
>You have a choice, you can either rack up a boat load of points and come in
>175th in the nation OR you can spend some time at maybe 4 wpm, sending the info
>maybe 3 to 4 times

The Tri-City Amateur Radio Club has not decided yet whether to run a novice/tech station, so I will take my HW-9 along and, with my tech+ xyl, will operate one. The club will be using the call N7RAT, probably QRO,SSB as the mode/power is up to the operator at the time. The novice/tech station will of course be using the same call.

We will be operating primarily in the 7100-7150 area, but will occasionally dip into other bands depending on propagation. Please be patient as the xyl is just getting back into cw, and I don't know how many others will operate. Mostly we'll just hunt and pounce.

Hope to cu on the band,
73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-1 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Bob Hightower <ki7mn@user1.dancris.com>
Subject: [9897] Re: help
Message-ID: <199606141626.JAA27779@dancris.com>

At 08:15 AM 6/14/96 -0600, you wrote:

>Now that Im off my soap box you can help - Field day is comming for those
of you
>living in a box. There is a NOVICE/TECH portion of the weekend and I along
with
>a few other people around the nation will be learning the tricks of the trade.
>
>

I need to correct this...should have read the rules more closely. The station will be using the call N7XJW.

73,
Bob KI7MN NorCal 1221 ARCI 8918 Qrp-1 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Steve Bornstein <saborns@freenet.columbus.oh.us>
Subject: [9907] Re: Painting Aluminum Enclosures
Message-ID: <Pine.3.07.9606141536.A18597-a100000@acme>

On Fri, 14 Jun 1996, michael (w.m.) babineau wrote:

> I would like to paint my St Louis Tuner case. I've never painted
> aluminum before. Can someone give me a recommendation for types of
> paint and whether I need some sort of primer coat first? I understand that
> WD-40 will remove the stickey-tape marks and that alcohol will remove the

> WD-40. Any other hints are much appreciated.
>
> Michael VE3WMB
>
>

Hello Mike,

The method I use is to first scrub the aluminium with a Scotch Brite pad and a cleanser such as Comet. If you are fussy the next step is to treat the aluminum in Alodine (sp) available at most automotive paint suppliers. This preps the metal. Lastly apply paint in light coats.

73, Steve K8IDN QRP-L #331

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Hank Kohl <k8dd@tir.com>
Subject: [9870] Re: Promote operator competence
Message-ID: <199606140415.AAA15026@sun.tir.com>

At 16:45 06/13/96 PDT, you wrote:

>
> I propose the license incentive program should be based on transmit
> power limits and the current written exam. Limit beginners to
> reasonably low power levels and limited spectrum, then increase both
> with higher license grades.

>
> Here's my back-of-the-envelope example:

>
> CLASS PWR FREQ
> ===== === ====
> Technician 10W VHF & above
> Novice 10W some HF & some VHF/UHF
> General 50W all bands, except Adv & Extra
> Advanced 500W all bands, except Extra
> Extra 1500W all bands

>
>
> Let each license class use any mode approved for amateur service
> they wish. Lower power will naturally encourage some to pursue
> more power effective modes. If CW is the most economically
> feasible power effective mode, we will see CW proficiency continue
> without federal mandates.

I'm sorry....You lost me when you did not tie a CW requirement with an HF license....

You give Techs and Novices 10W....I'm sure you mean input power for 5W out.... Real QRP....I'd give 'em a few more watts - especially Novices. I remember back when it was 75W input and crystal control....THAT was the pits....Guess I'd rather see 50W input and a VF0.

Sorry about that because I come from the old school....The guys older than me passed a CW test "because they had to". They also passed a drivers test to drive a car "because they had to". Lots of hunters had to pass a gun safety test "because they had to".

There's a pattern here. They are all either hobbies or privileges - not God given rights and there aren't too many God given rights. Breathing - no test - you do or you don't. Blood pressure - you got it or you don't.

Life is good, but bet you're not going to share your Bud Light!

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@tir.com
*/ MI-QRP QRP-ARCI G-QRP NorCal
*/ ARRL/LM QCWA/LM QCAO/LM

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Pat Taber <ptaber@logiccraft.com>
Subject: [9876] Re: Promote operator competence
Message-ID: <199606141159.HAA30767@nss2.CC.Lehigh.EDU>

>Sorry about that because I come from the old school....The guys older than me
>passed a CW test "because they had to". They also passed a drivers test to
>drive a car "because they had to". Lots of hunters had to pass a gun safety
>test "because they had to".
>
>There's a pattern here. They are all either hobbies or privileges - not God
>given rights and there aren't too many God given rights. Breathing - no test -
>you do or you don't. Blood pressure - you got it or you don't.
>

Hmmmm. Let's see if we can find the pattern: hunter safety course so you don't kill yourself. Driver's test so you don't kill someone else. Code test? Nope, that can't be it.

If it's just you have to pass some test to get a privilege, then removing code doesn't change anything. You still have to pass a test which is harder than a driver's test for a privilege that is less potentially dangerous, despite what the Mothers Against Contesting Drunk might say.

So I guess that pattern is: things you have to do because I had to do them. So I guess that means I have to take that steam dynamics course if I want to be a (software) engineer, because engineers *have* to know steam....

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: 14-Jun-1996 0918 <randolph@asic.ENET.dec.com>
Subject: [9881] re: QRP "Afterburner"
Message-ID: <9606141343.AA05117@us4rnc.pko.dec.com>

> GOOD THINGS IN A SMALL PACKAGE. A recent DXpedition provided
> important field, or perhaps more appropriately stated, island
> testing of a new amplifier design. The brainchild of two amateur
> radio operators, the amplifier uses two MRF154 power MOSFETs and
> requires only 12 watts drive for 1KW output. A standard airline

Yah, and at around \$600 each (that's six hundred dollars) for the FETs, they ought to be small and light, cuz that's all they have going for them!

You've heard it before: Life's too short for \$1200 finals. That's \$1200 for 2 S-units.

BTW, the design might be a Helge Granberg special right out of the Motorola RF Apps book. I looked it over a while back. Good IMD and, of course, lots of gain compared to bipolars, but is it worth it compared to tubes?

I'd go with switching transistors myself. Probably wouldn't get you 1500W or anything, but they're in the \$1-2 range, and the little amp I built for QRO will put out 18W with 1W in and a 24V supply... 2 S-units louder for about \$10! Not that I'd ever run QRO or anything (hee hee)!

=====
Tom Randolph N100Q NE-QRP 419 QRP-L 87 ARRL randolph@est.enet.dec.com
=====

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [9900] Re: QRP FIELD DAY LIST, as of 6/14 (nice turn out guys!!!)

Message-ID: <199606141658.QAA06652@chuck.dallas.sgi.com>

Ooops. Bill, KC1GS, is doing it. My mistake and I sincerely apologize.

Add K5FO as the call for NorTex.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com

K5FO Tmps 1996 Qs=032 States=18 Confirmed=08 DX=01 (0.95W)

AL AZ CA CO FL IL IN MI MO OK OR SD TN TX UT WA WI WY

30M 1995-1996@0.95W 45 worked 44 confirmed

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996

From: Peter Parker <parkerp@pcug.org.au>

Subject: [9915] Re: Re[2]: GQRP - Inductance Calculation? [Ref:C405319]

Message-ID: <Pine.SOL.3.91.960615071826.12114A-100000@supreme>

Having developed a means of measuring a wide range of inductances, I thought I'd share it with you, given the interest in the topic.

All you need is a frequency counter capable of reading up to 4 MHz - I use the one built in my multimeter. Then, construct in a metal box a conventional VFO circuit for 80 metres, except there is no need to use a variable capacitor - use capacitance suitable for an output of 3.6 MHz. The inductance I used was a 10uH RF choke. All up, this required about 200pF across it to resonate on 80m. (the reason for 80m is that you can use a receiver if you don't have a frequency counter). I found that a colpitts circuit worked OK.

The unknown inductor is placed in series with the 10uH coil. This drops the output frequency of the VFO to below 3.6 MHz. The degree of drop depends on the size of the inductor x. Use a calculator to work out the total inductance from the capacitance across the tank circuit (about 190-200pF) and the output frequency. Don't forget to subtract the 10uH series RF choke from the figure you get.

I've found that providing the oscillator will start, the circuit will measure up to 500uH or more, and down to a fraction of a uH. Accuracy depends on how well you build the circuit, but better than 10% should be easily achieved. True, the output is not direct reading, but its the best method I've found so far for measuring coils. No doubt the idea would also work for capacitors too.

73, Peter VK1PK

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Kevin Muenzler <muenzlerk@uthscsa.edu>
Subject: [9878] RE: SILENT KEY?
Message-ID: <01BB59C5.69116E40@muenzlerk.uthscsa.edu>

On Thursday, June 13, 1996 5:30 PM, J. Skalski[SMTP:jskalski@acsu.buffalo.edu] wrote:

>I have a question. This thought came to me when I read something about the
>new license types.

>

>When a ham "bought the ranch" ; QST would list his call in the
>"SILENT KEYS" column.

>

>What happens to the No-code guys?

>

>BTW this is only meant to be humorous.

>

> To quote Seinfeld "there's certainly nothing wrong with that" :-)

>

>

>

>

73,

>

>

Jim N2GO

>

The Buffalo QRP CONNECTION

>

ARCI #9013 QRP-L #381

>

jskalski@acsu.Buffalo.EDU

>

>

>

>

Cute, and by the way the term is "bought the farm"

Kevin

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [9895] Re: SILENT KEY?
Message-ID: <Pine.OSF.3.93.960614101950.20562A-100000@duke.usask.ca>

On Thu, 13 Jun 1996, J. Skalski wrote:

> I have a question. This thought came to me when I read something about the
> new license types.
>
> When a ham "bought the ranch" ; QST would list his call in the
> "SILENT KEYS" column.
>
> What happens to the No-code guys?

Perhaps some people are silent keys long before they need to be.

Brian.

>
> BTW this is only meant to be humorous.
>
> To quote Seinfeld "there's certainly nothing wrong with that" :-)
>
>
>
> 73,
>
> Jim N2GO
> The Buffalo QRP CONNECTION
> ARCI #9013 QRP-L #381
> jskalski@acsu.Buffalo.EDU
>
>
>
>

```
+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+-----+
| Albert Einstein, when asked to describe radio, replied: "You see, wire |
| telegraph is a kind of a very, very long cat. You pull his tail in New |
| York and his head is meowing in Los Angeles. Do you understand this? |
| And radio operates exactly the same way: you send signals here, they |
| receive them there. The only difference is that there is no cat." |
+-----+
```

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: Brian Dockter <brian@nds.com>
Subject: [9901] Re: Solder Temps

Message-ID: <96Jun14.100702pdt.170751-215+675@rainier.nds.com>

My apologies if this gets duplicated. I didn't see my first one get thru.

On Jun 12, 6:36pm, chuck adams wrote:

> Subject: Solder Temps

>

> Well I get the June issue from the MI-QRP Club THE

> FIVE-WATTER (T5W) in the mail on the way to work.

> On page 8 from George Root, W8DNR, is the following:

>

> >From the 1992 ARRL Handbook (missing from 1996) is

>

> 60-40 solder (reg) melts at 371F

> 63-37 solder (lmp) melts at 361F

> 62-36-2 (eutetic) melts at 354F

>

> The silver/lead/tin Eutetic solder with the 354F melting

> point is available from Radio Shack as their #64-013. The solder

> is priced 30% higher than their regular 60-40 solder.

Not only does it have a lower melting point, but I am told that it goes directly from a liquid to a solid state without the intermediate plastic state that normal 60-40 goes thru. This means more reliable connections (because of fewer cracks in the joints caused by the part moving while the solder cools).

72,

Brian

--

Brian Dockter (KC7JZL)	Email: brian@nds.com
Sr. Software Engineer	Voice: 206-524-0014
Northwest Digital Systems	FAX: 206-524-3440

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996

From: Goemans <jgoemans@facstaff.wisc.edu>

Subject: [9920] Re: Ten Tec QRP rig prices

Message-ID: <199606150236.VAA98057@audumla.students.wisc.edu>

At 10:58 AM 6/14/96 -0500, you wrote:

>Well,

>it came up again, and I guess someone did not look in past discussions; but
>over on the Ten Tec List I asked the value of the 5xx rigs awhile back, and
>here is the learned opinions of the group of TT specialists:

>

>(BTW, Ten Tec does sell their used models taken in trade; a little known fact;
>but as of Ham Com Sun., they did not have any 5xx in stock, for I asked.)

>

>The 505 has some birdies, and was the first Argonaut, without a model number
>on its typical Ten Tec enclosure. You do see the word Argonaut.

>It was 2 watts out. I have seen one sold for \$95 mostly working, and the
>range seems to be that up to \$250. I have seen a mis-identified 505 trying to
>be sold as a 509 at \$300. NO WAY!

>

>A more desireable model is the 509: 3w to 8w out, depending on band, and the
>range of prices from several replies around the USA was \$150 to \$300.

>

>The 515 was reported as 10 w out, maybe less on 10M. some 700 were made, and
>the price reflects this, \$350 to \$500, with \$400 being more common. The 509
>was easier to repair than 505 which has now obsolete parts, and dial cord to
>string. The 515 did not improve on the 509 much, but has the Triton IV
>receiver strip I am told. Improved 10 M readout results, with 4 band ranges

SNIP

Don't forget the 525 Argosy and 525D Argosy II ! While bigger , they are
great QRP rigs, and use early Omni filters I believe. How many of these were
made ?

72 Paul WA9PWP

95/96 Foxhunt co-champ (Argosy II)

Paul R Goemans WA9PWP

4326 Clover Ct

Madison, Wi. 53711-4805

QRP ARCI 7291 NorCal 1226 QRP-L 127 FISTS 2153

From owner-qrp-l@Lehigh.EDU Fri Jun 14 23:10:01 1996

From: nu6u@w6trw.ampr.org

Subject: [9873] Re: The Threat to QRP

Message-ID: <18602@w6trw.ampr.org>

Hello Chuck,

>Hey, I've been listening on 30M for two weeks as soon as I
>get home and aperiodically until I go to bed late.

I have been listing on 40 primarily, and I have had pretty good success with the short haul stuff. No problem getting up into WA, and OR. The longest contacts have been into Alaska.

>This is to show you that all operating is not necessarily
>successful. In two weeks I have worked one station. One.
>Maybe two but I'd have to look at the log. I know that
>the last week has been bad at 1W.

Yep, I suppose that's one of the reasons that I run QRP. It simply wouldn't be any fun if I could just sit down and make contacts whenever I wanted to. Oddly enough, this is what keeps me involved with QRP, I never really know what's going to happen.

>Hopefully conditions will improve on 30M soon. Guess I'll
>have to go back to 40M and hope the QRN has died off.

40 is always good for a contact, even if it is just the short haul stuff. Hey, who knows, maybe we will bump into each other...

73/72 de Max (nu6u)

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: ae4ic@nr.infi.net (BOB KELLOGG)
Subject: [9923] Re: TMPS Re: 30 M tonight
Message-ID: <199606150335.XAA03778@mh004.infi.net>

Hi Harvey,

Can't help but comment on the *very* impressive list of TMPS contacts -- great job!

>I heard F3NB last night also, but did not even try.

Well, there are some advantages to being on the right coast. I heard him, too, and got him through the minor pileup. When are you going to send some Alaska and Japan our way?

Been having a lot of fun on 30 M, but don't have time to configure my offical report. So far this month, SH2GP, DL8MX, U5WF, 3B8CF, Y03AC, F3NB AND VA2Z0.

Got the official DXCC countries list, now, so at least I know where most of these guys are.

CUL,

Bob Kellogg, AE4IC
Prolably, but not nececelery. - Benny Hill

From owner-qrp-1@Lehigh.EDU Fri Jun 14 23:10:01 1996
From: "Dan Harriman" <KC5GXL@pnx.com>
Subject: [9916] Re: What's wrong with this picture?
Message-ID: <199606142231.SAA89563@nss2.CC.Lehigh.EDU>

I think that I have to agree with Micheal about this.
There sure seems to be something wrong with an afterburner
for qrp! Seems to defeat the purpose of qrp, doesn't it?
73 de Dan aka kc5gx1 qrp-1 #431; ARS # 25 FISTS # 1572